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PIC/JB-21/61

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FURTHER INFORMATION ON
PAVLOGRAD ARTILLERY RANGE

Further research since the publication of the initial photographic intelligence study (CIA PIC/JB-116/60) 1/ of the Pavlograd Artillery Range (48-44N 35-21E) has revealed additional information. This second study denies the conclusion implicit in the original brief that the area is a test site for toxic CW munitions.

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25X1D The area was located on [redacted] photography [redacted] and the installations found in [redacted] were plotted on a mosaic made from this [redacted] photography. The study was handicapped by the poor quality of the [redacted] photography which was haze covered and oblique. The brief cited above described seven areas within the artillery range. Additional information on each area, as shown on Figure 1, is given below:

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1. Target Range. Further study reveals a control tower behind the firing lines, shown on Figure 2.

2. Cleared Training Area. A comparison with [redacted] photography shows that this area has been cleared of trees [redacted] Artillery emplacements were to be found in two locations [redacted] and there was one building on the south side of the area, so it is apparent that military activity, involving the use of artillery, was going on here in the WW II period. Three V-shaped target slides are clearly visible in front of the firing line in [redacted] and a control tower is visible behind the firing line.

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3. Headquarters and Housing Area. Only two buildings were present in this area [redacted] Since then a large housing development has been built and a new bridge has been built across the Samara River to give access to the area. There are approximately 100 houses in this area and they appear to be both family dwellings and barracks or apartment houses. It is probable that there are administrative buildings here also. The houses are mostly along the river bank, and farther back from the river there is a group of six large warehouses.

4. Operational Base. This area is entirely new [redacted] The operational base is divided into two parts, a garrison area which may comprise both troop billeting and administrative buildings, and a shop

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Declassification review by NIMA/DOD

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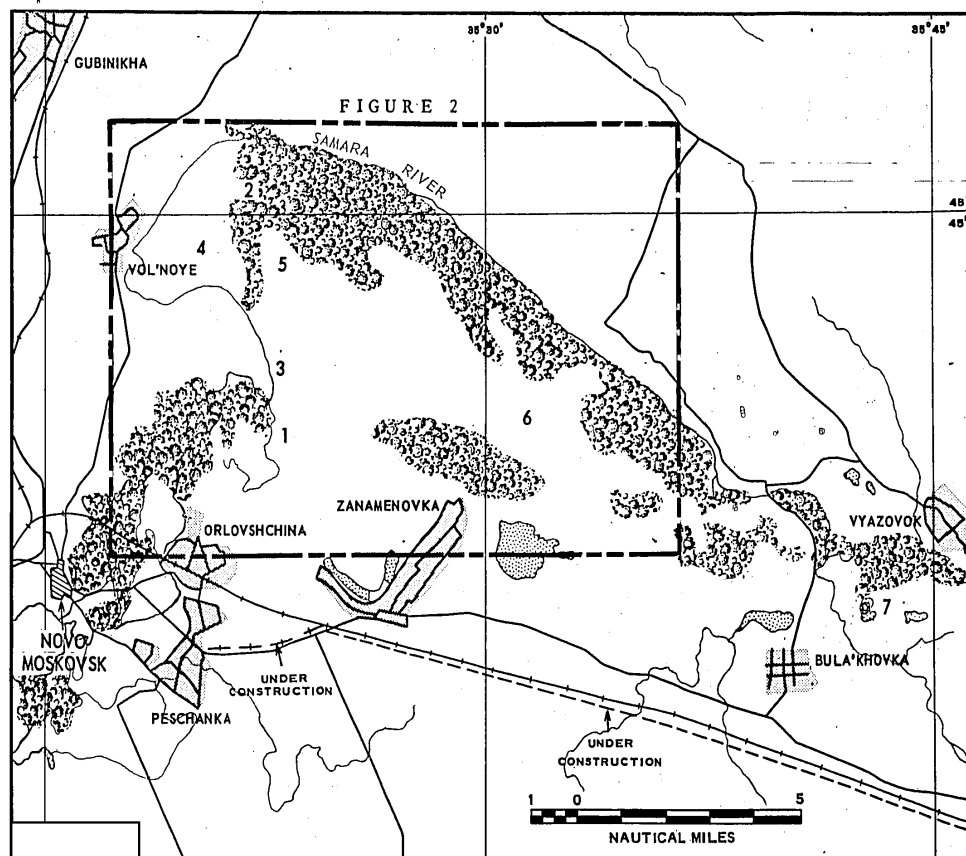


FIGURE 1. PAVLOGRAD ARTILLERY RANGE. Firing lines are at points 1 and 2, housing at point 3, an operational base at point 4, an impact area at point 5, and possible impact areas at points 6 and 7.

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PIC/JB-21/61

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PIC/3B-21/61



FIGURE 2. MOSAIC OF PAVLOGRAD ARTILLERY RANGE CONSTRUCTED FROM PHOTOGRAPHY. The green overprint shows signs of military activity found and the red overprint shows changes found in

TOP SECRET

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PIC/JB-21/61

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area where weapons and vehicles used on the artillery range are parked and serviced. Only a generalized impression of the shop area can be gained from the [REDACTED] photography. A similar installation, however, is found on high-quality photography of the same mission at Chuguyev 2/ where parked tanks and other equipment can be seen without difficulty. The similarity of the building layout and adjacent target ranges at these two sites establishes both as being tank or self-propelled gun firing ranges.

5. Impact Area. This area consists of a cratered area and what was thought to be fragmentary portions of grids. Study of the [REDACTED] photography makes it seem more likely that the intersecting lines are the remnants of survey lines, made either as part of a general land survey or as reference lines for artillery calibration.

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6. Possible Middle-range Impact Area. This area contained a small artillery impact area [REDACTED]. There were also survey lines here giving the false impression of a grid on [REDACTED] photography.

7. Possible Long-range Impact Area. This area, shown in an incorrect location in JB-116/60, was not developed in any way [REDACTED]. It now has the dim outline of a circular scar approximately 8,000 feet in diameter. This circular scar is possibly a circular grid.

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In conclusion, it is felt that the Pavlograd Artillery Range is a standard artillery facility where both training and the calibration of guns and shells could take place, rather than a test site for toxic CW munition, implied in JB-116/60. A collateral source bears out the artillery training aspects 3/. There are also collateral sources suggesting missile activity on this range in recent years. 4/ & 5/. [REDACTED]

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TOP SECRET [REDACTED]

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PIC/JB-21/61

REFERENCES

PHOTOGRAPHY

<u>Mission</u>	<u>Date</u>	<u>Camera</u>	<u>Frames</u>	<u>Classification</u>
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MAPS or CHARTS

- ACIC. US Air Target Mosaic, Series 50, 0234-21/3MA, 1st ed, Jul 59, Scale 1:50,000 (C)
- SAC. US Air Target Chart, Series 200, 0234-21A, 1st ed, Mar 59, Scale 1:200,000 (S)

DOCUMENTS

1. CIA. PIC/JB-116/60, Pavlograd Artillery Range, 8 Aug 60 [REDACTED]
2. Army, ACSI. PIB-228-60, Chuguyev Military Complex, Chuguyev, USSR, 1 Sep 60 [REDACTED]
3. Air, 7050 AISW. 51283-8-2378 E & F, Area Description, Volnoye, and Troop Training Ground, Volnoye, Date of info. Oct 48 - Dec 49 (S)
4. CIA. [REDACTED] Missile Test Site at Novomoskovsk, 8 Aug 60 (S)
5. CIA. [REDACTED] Railroads and Unusual Activities Observed in the Novomoskovsk, Pavlograd and Sinelnikovo Areas, 25 Mar 59 (S)

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